

# **Knobbe Martens Olson & Bear LLP**

*Intellectual Property Law*

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November 24, 2010

ATTN: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: Title: GROUP I-III-VI QUATERNARY OR HIGHER ALLOY  
SEMICONDUCTOR FILMS  
Letters Patent No. 7,744,705  
Issued: June 29, 2010  
Our Reference: DMKISCH.003APC

Dear Sir:

Enclosed for filing is a Certificate of Correction in connection with the above-identified patent.

As some of the errors cited in the Certificate of Correction were incurred through the fault of the Applicant, payment in the amount of \$100 is submitted herewith. Please charge any additional fees to our Deposit Account No. 11-1410.

Respectfully submitted,

Knobbe, Martens, Olson & Bear, LLP



David K. Buckingham  
Registration No. 60,695  
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Enclosures

10061727  
112410

Orange County  
949-760-0404

San Diego  
858-836-9000

Los Angeles  
310-551-3450

Riverside  
951-781-9231

Seattle  
206-405-2000

Washington, DC  
202-640-6400

# UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

**PATENT NO.** : 7,744,705  
**APPLICATION NO.** : 10/568,229  
**ISSUE DATE** : June 29, 2010  
**INVENTOR(S)** : Vivian Alberts

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Page 1, (item 57 Abstract), Line 2, please change "IB-III A. VIA" to --IB-III A-VIA--

On Page 1, (item 57 Abstract), Line 3, after "invention" please change "relations" to ---relates--

On Page 2, Column 2, Line 3, please change "CuInSe<sub>2</sub>" to --CuInSe<sub>2</sub>--

On Page 2, Column 2, Line 22, please change "CuInSe<sub>2</sub>-" to --CuInSe<sub>2</sub>---

On Page 2, Column 2, Line 36, please change "a&" to --&--

In Column 1, Line 15, after "films" insert --.--

In Column 2, Line 25, please change "Cu(In<sub>1-x</sub>Ga<sub>x</sub>)(Se<sub>1-y</sub>S<sub>y</sub>)<sub>2</sub>" to --Cu(In<sub>1-x</sub>Ga<sub>x</sub>)(Se<sub>1-y</sub>S<sub>y</sub>)<sub>2</sub>--

In Column 3, Line 32, please change "Cu(In,Ga)(Se<sub>2</sub>)" to --Cu(In,Ga)Se<sub>2</sub>--

In Column 3, Line 38 (approximate), please change "In" to --in--

In Column 4, Lines 12-13, please change "0.40 and 50" to --0.4° and 5°--

### MAILING ADDRESS OF SENDER:

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Page 2 of 3

**PATENT NO.** : 7,744,705  
**APPLICATION NO.** : 10/568,229  
**ISSUE DATE** : June 29, 2010  
**INVENTOR(S)** : Vivian Alberts

In Column 4, Line 42 (approximate), please change " $A_{(B_{1-x}C_x)}(D_{1-y}E_y)_2$ " to  $--A_{(B_{1-x}C_x)}(D_{1-y}E_y)_2--$

In Column 4, Line 57, please change " $(2\theta_{[112]})$ " to  $--(2\theta_{[112]})--$

In Column 5, Lines 20-21, please change " $(2\theta_{[112]})$ " to  $--(2\theta_{[112]})--$

In Column 5, Line 22, after "3.1840" insert  $--$ .

In Column 6, Line 22, please change "0.007" to  $--0.007--$

In Column 9, Line 21, please change " $\ln(\text{Se}, \text{S})$ " to  $--\ln(\text{Se}, \text{S})--$

In Column 9, Line 62, please change " $\text{Cu}(\text{In}, \text{Ga})\text{Se}_2$ " to  $--\text{Cu}(\text{In}, \text{Ga})\text{Se}_2--$

In Column 12, Line 36, please change "FIG." to  $--\text{FIGS.}--$

In Column 12, Line 36, please change "quanternary" to  $--\text{quaternary}--$

In Column 12, Line 42, please change "FIG." to  $--\text{FIGS.}--$

In Column 12, Line 43, please change "quanternary" to  $--\text{quaternary}--$

In Column 13, Line 7, please change " $(0.154056 \text{ \AA})$ " to  $--(0.154056 \text{ \AA})--$

In Column 13, Line 57, please change " $1200^\circ \text{ C.}$ " to  $--120^\circ \text{ C.}--$

In Column 14, Line 28 (approximate), before "atomic" please change " $(\text{Ga}+\text{in})$ " to  $--(\text{Ga}+\text{In})--$

In Column 15, Line 21 (approximate), please change "FIG." to  $--\text{FIGS.}--$

In Column 16, Line 42, please change " $\text{CuGa}(\text{Se}_{1-y}\text{S}_y)_2$ " to  $--\text{CuGa}(\text{Se}_{1-y}\text{S}_y)_2--$

In Column 17, Line 1, please change " $\text{and}(\text{iv})$ " to  $--\text{and}(\text{iv})--$

In Column 17, Line 5, please change " $\text{and}(\text{iv}),$ " to  $--\text{and}(\text{iv}),--$

In Column 17, Line 16 (approximate), please change " $\text{Se}_{1-y}\text{S}_y$ " to  $--(\text{Se}_{1-y}\text{S}_y)_2--$

In Column 17, Line 19 (approximate), please change " $\text{and}(\text{iv})$ " to  $--\text{and}(\text{iv})--$

In Column 17, Line 33 (Table 2), below "conditions" please change " $\text{H}_2\text{Se}/\text{Ar}$ " to  $--\text{H}_2\text{S}/\text{Ar}--$

In Column 19, Line 43 (approximate), after "0.001" insert  $--$ .

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Page 3 of 3

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**APPLICATION NO.** : 10/568,229  
**ISSUE DATE** : June 29, 2010  
**INVENTOR(S)** : Vivian Alberts

In Column 22, Line 32, please change “and the their” to --and their--

In Column 23, Line 65, please change “and(iv)” to --and (iv)--

In Column 26, Line 32, please change “and the their” to --and their--

In Column 26, Line 58, please change “<sup>554</sup>These” to --<sup>†</sup>These--

In Column 27, Line 57, please change “bahaviour” to --behaviour--

In Column 28, Line 35, please change “in. Se and S” to --In, Se and S--

In Column 29, Line 8, in Claim 3, please change “D and” to --D, and--

In Column 29, Line 37, in Claim 14, please change “wherein, D” to --wherein D--

In Column 29, Line 42 (approximate), in Claim 15, please change “0.25 and 0.3.” to --0.25 to 0.3.--

In Column 29, Line 55 (approximate), in Claim 19, please change “(112)” to --[112]--

In Column 29, Line 57 (approximate), in Claim 20, please change “(112)” to --[112]--

In Column 30, Line 11, in Claim 25, please change “0.1 and 0.5.” to --0.1 to 0.5.--

In Column 30, Line 17, in Claim 27, please change “(112)” to --[112]--

In Column 30, Line 23, in Claim 29, please change “(112)” to --[112]--

In Column 30, Line 30, in Claim 32, please change “0.1 and 0.5” to --0.1 to 0.5.--

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